IN THE CLAIMS

1.- 42. (Cancelled)

43. (Currently Amended) A sheath assembly for a probe, comprising:

an internal sheath configured to isolate a probe from body fluids; and

an external sheath surrounding the internal sheath, the internal and external sheaths being ~~directly~~ connected to each other,

wherein at least the distal ends of the internal and external sheaths are flexible.

44. (Original) A sheath assembly according to claim 43, wherein the internal and external sheaths are connected to each other over at least one axial line extending over a segment of the length of the sheaths.

45. (Currently Amended) A sheath assembly according to claim 44, wherein the internal and external sheaths are connected over at least two longitudinal lines~~, so as to define a plurality of separate channels between the sheaths~~.

46. (Original) A sheath assembly according to claim 43, wherein the internal and external sheaths are connected non-symmetrically radially.

47. (Original) A sheath assembly according to claim 43, wherein the internal and external sheaths are connected radially symmetrically.

48. (Previously Presented) A sheath assembly according to claim 43, wherein the internal and external sheaths are connected substantially only at a plurality of circumferential points at a distal end of the external sheath.

49. (Previously Presented) A sheath assembly according to claim 43, wherein the internal and external sheaths coextend at their distal ends, such that their distal ends extend to a same point.

50. (Previously Presented) A sheath assembly according to claim 43, wherein the internal sheath extends beyond the distal end of the external sheath.

51. – 72. (Cancelled)

73. (New) A sheath assembly according to claim 43, wherein at least one channel is defined between the external sheath and the internal sheath along at least a portion of the sheath assembly.

74. (New) A sheath assembly according to claim 73 wherein the at least one channel is open at the distal end of the sheaths.

75. (New) A sheath assembly according to claim 73, wherein the channel does not surround the entire internal sheath.

76. (New) A sheath assembly according to claim 73, wherein the at least one channel comprises two channels.

77. (New) A sheath assembly according to claim 43, wherein over most of the length of the sheath assembly, the external sheath is attached to the internal sheath along at least one longitudinal line.

78. (New) A sheath assembly according to claim 43, wherein over most of the length of the sheath assembly the external sheath is not attached to the internal sheath.

79. (New) A sheath assembly according to claim 43, wherein the external sheath and the internal sheath are connected to a proximal connector.

80. (New) A sheath assembly according to claim 43, wherein the external sheath is formed with an internal notch adapted to receive a dovetail of a working tube.

81. (New) A sheath assembly according to claim 43, wherein the external sheath is sealed at its distal end.

82. (New) A sheath assembly according to claim 43, wherein the internal sheath comprises an imaging window at its distal end.

83. (New) A sheath assembly according to claim 43, wherein at least the distal ends of the internal and external sheaths are foldable.

84. (New) A sheath assembly according to claim 43, wherein at least the distal ends of the internal and external sheaths are bendable.

85. (New) A sheath assembly according to claim 43, wherein at least one of the internal sheath and the external sheath is non-elastic.

86. (New) A sheath assembly according to claim 43, wherein at least one of the internal and the external sheath is stretchable.

87. (New) A sheath assembly according to claim 43, wherein the internal and external sheaths have substantially the same thickness.

88. (New) A sheath assembly according to claim 43, wherein the internal and external sheath are formed from the same material.

89. (New) A sheath assembly according to claim 43, wherein a rigid pipe section is located at the proximal end of the internal sheath.

90. (New) A sheath assembly according to claim 43, wherein the external sheath is non-self-collapsible.

91. (New) A sheath assembly according to claim 45, wherein the at least two longitudinal lines define a plurality of separate channels between the sheaths.